

BIOFILTER OR COMPOST SUPPORT ASSEMBLY5 Abstract of the Disclosure

10 A modular support system for a bed of organic filter medium has provision for adjusting the distribution of gases in the plenum defined below the filter bed platform. Once the filter bed platform has been fully erected, with a gas inlet below the platform, slide gates are positioned in special modules which define a gas distribution channel, preferably extending in a series to form a line in the assembled support platform. The slide gates, one at each side of the special flow distribution modules, are adjusted as to the depth of penetration down into the plenum, so as to close the sides of the flow distribution channel to varying degrees along the length of the channel, effective to balance the flow of gases up through the perforations in the platform modules. The proper gate setting can be determined empirically after erection of the filter bed platform, by flowing gas through the platform and checking the distribution of gas exiting the holes in the modules. The gate settings can be adjusted until optimum balance of flow is achieved throughout the area of the platform.

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